

IN THE CLAIMS:

Please amend Claims 1 and 5 as follows:

1. (Currently Amended) A solar power generation system comprising  
at least a solar cell and a cooling mechanism,

said cooling mechanism having

a cooling means for cooling said solar cell, ~~and~~

a memory-~~and-operation~~ means for memorizing ~~or operating~~ an optimum  
cooling and driving state of said cooling means with respect to an output of said solar cell,  
and

an operation means for operating an optimum cooling and driving state of  
said cooling means with respect to an output of said solar cell,

~~wherein~~ said memory-~~and-operation~~ means comprises ~~comprising a~~  
~~clocking function and~~ previously determined standard temperature values for an  
atmosphere where the solar cell is installed for every one of predetermined time points of  
the year, and

~~wherein~~ said operation means comprises a clocking function and operates  
said cooling means is driven in accordance with a selected one of said standard temperature  
~~value values~~ from said memory-~~and-operation~~ means at a time point for a current time  
point at said installation location of the solar cell.

2. (Original) The solar power generation system according to claim  
1, wherein the output of the solar cell is an output power or an output current from the solar  
cell.

3. (Original) The solar power generation system according to claim 1, wherein the cooling means is a cooling means in which a fluid coolant is used.

4. (Cancelled).

5. (Currently Amended) The solar power generation system according to claim 1, wherein said solar power generation system has a power conversion means for the output of the solar cell and said memory-~~and-operation~~ means and said operation means ~~are is provided~~ such that said memory-~~and-operation~~ means and said operation means ~~are is~~ included in said power conversion means.

6. (Original) The solar power generation system according to claim 1, wherein said solar power generation system has a power conversion means for the output of the solar cell and an output detection means for the output of the solar cell, where said output detection means is provided such that said output detection means is included in said power conversion means.

7. (Original) The solar power generation system according to claim 1, wherein said solar power generation system has a mechanism for tracking the sun.